



# PUBLIC NOTICE

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DA 01-477  
February 23, 2001

## AUCTION OF LICENSES FOR THE VHF PUBLIC COAST AND LOCATION AND MONITORING SERVICES SPECTRUM SCHEDULED FOR JUNE 6, 2001

### COMMENT SOUGHT ON RESERVE PRICES OR MINIMUM OPENING BIDS AND OTHER AUCTION PROCEDURAL ISSUES

#### Report No. AUC-39-A (Auction No. 39)

By this Public Notice, the Wireless Telecommunications Bureau ("Bureau") announces the auction of 16 VHF public coast licenses<sup>1</sup> and 241 multilateration Location and Monitoring Service ("LMS") licenses<sup>2</sup> ("Auction No. 39") to commence on June 6, 2001. This auction will include the licenses that remained unsold in Auctions No. 20 and No. 21, which closed on December 14, 1998 and March 5, 1999, respectively. Auction No. 39 will include the following:

- **VHF Public Coast.** Specifically, sixteen licenses will be available in geographic areas known as VHF Public Coast Areas (VPCs). There are two categories of VPCs: maritime VPCs and inland VPCs. All of the VHF Public Coast licenses to be offered in Auction No. 39 are inland VPC licenses. Inland VPCs are identical to the Commerce Department's Economic Areas<sup>3</sup>, no part of which is within 100 miles of a major waterway. Each VPC license has seven 25 kHz channel pairs, adding up to 350 kHz.

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<sup>1</sup> The Commission adopted service and competitive bidding rules for the VHF public coast station service. See Amendment of the Commission's Rules Concerning Maritime Communications, *Third Report and Order and Memorandum Opinion and Order*, 13 FCC Rcd 19853 (1998).

<sup>2</sup> The Commission adopted service and competitive bidding rules for the Location and Monitoring Service. See Amendment of the Commission's Rules to Adopt Regulations for Automatic Vehicle Monitoring Systems, *Second Report and Order*, 13 FCC Rcd 15182 (1998) ("*LMS Second Report and Order*").

<sup>3</sup> The Bureau of Economic Analysis of the Department of Commerce has divided the U.S. into 172 Economic Areas ("EAs"), effective April 10, 1995, to facilitate regional economic analysis. Each EA consists of one or more economic nodes – metropolitan areas or similar areas that serve as centers of economic activity – and the surrounding counties that are economically related to the nodes. Final Redefinition of the BEA Economic Areas, Department of Commerce, Docket No. 950-3020-64-5064-01, 60 Fed. Reg. 13114 (Mar. 10, 1995).

<u>Inland VPCs:</u>	<u>Channel Pairs (total kHz available)</u>
Inland Border VPCs; VPCs 10, 11	24, 26, 27, 28, 85, 86, 87 (350 kHz)
Inland Non-Border VPCs: VPCs 12-15, 23, 26, 38	24, 26, 27, 28, 85, 86, 87 (350 kHz)
VPCs 16, 18, 19, 20, 21, 22, 40	24, 26, 27, 28, 84, 86, 87 (350 kHz)

- **LMS.** Three blocks of spectrum are allocated for LMS systems:

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|-------------|---|
| (1) Block A | 904.000 – 909.750 MHz and 927.750 – 928.000 MHz |
| (2) Block B | 919.750 – 921.750 MHz and 927.500 – 927.750 MHz |
| (3) Block C | 921.750 – 927.250 MHz and 927.250 – 927.500 MHz |

A geographic licensing area is comprised of each of these spectrum blocks. LMS spectrum is licensed in 176 Economic Areas (EAs). In Auction No. 39, 241 LMS licenses will be available: 117 licenses will be auctioned in Block A, 61 licenses will be auctioned in Block B, and 63 licenses will be auctioned in Block C.

A list of licenses available for this auction is included in Attachment A.

The Balanced Budget Act of 1997 requires the Commission to “ensure that, in the scheduling of any competitive bidding under this subsection, an adequate period is allowed . . . before issuance of bidding rules, to permit notice and comment on proposed auction procedures . . . .”<sup>4</sup> Consistent with the provisions of the Balanced Budget Act and to ensure that potential bidders have adequate time to familiarize themselves with the specific rules that will govern the day-to-day conduct of an auction, the Commission directed the Bureau, under its existing delegated authority,<sup>5</sup> to seek comment on a variety of auction-specific procedures prior to the start of each auction.<sup>6</sup> We therefore seek comment on the following issues relating to Auction No. 39.

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<sup>4</sup> See Section 3002(a)(E)(i), Balanced Budget Act of 1997, Pub. L. 105-33, 111 Stat. 251 (1997) (“Balanced Budget Act”), amending Section 309(j) of the Communications Act, 47 U.S.C. § 309(j).

<sup>5</sup> See Amendment of Part 1 of the Commission's Rules — Competitive Bidding Proceeding, WT Docket No. 97-82, *Order, Memorandum Opinion and Order, and Notice of Proposed Rule Making*, 12 FCC Rcd 5686, 5697, ¶ 16 (1997) (“*Part 1 Order*”) (“We also clarify that pursuant to Section 0.131 of our rules, the Chief, Wireless Telecommunications Bureau, has delegated authority to implement all of the Commission's rules pertaining to auctions procedures”).

<sup>6</sup> See Amendment of Part 1 of the Commission's Rules — Competitive Bidding Procedures, Allocation of Spectrum Below 5 GHz Transferred from Federal Government Use, 4660-4685 MHz, WT Docket No. 97-82, ET Docket No. 94-32, *Third Report and Order and Second Further Notice of Proposed Rule Making*, 13 FCC Rcd 374, 448, ¶ 124 (1998) (“*Part 1 Third Report and Order*”). The Commission directed the Bureau to seek comment on specific mechanisms related to day-to-day auction conduct including, for example, the structure of bidding rounds and stages, establishment of minimum opening bids or reserve prices, minimum accepted bids, initial maximum eligibility for each bidder, activity requirements for each stage of the auction, activity rule waivers, criteria for determining reductions in eligibility, information regarding bid withdrawal and bid removal, stopping rules, and information relating to auction delay, suspension or cancellation. *Id.* at ¶ 125.

## **I. Auction Structure**

### **A. Simultaneous Multiple Round Auction Design**

We propose to award the licenses in a single, simultaneous multiple-round auction. As described further below, this methodology offers every license for bid at the same time in successive bidding rounds. We seek comment on this proposal.

### **B. Upfront Payments and Initial Maximum Eligibility**

The Bureau has delegated authority and discretion to determine an appropriate upfront payment for each license being auctioned taking into account such factors as the population in each geographic license area, and the value of similar spectrum.<sup>7</sup> As described further below, the upfront payment is a refundable deposit made by each bidder to establish eligibility to bid on licenses. Upfront payments related to the specific spectrum subject to auction protect against frivolous or insincere bidding and provide the Commission with a source of funds from which to collect payments owed at the close of the auction.<sup>8</sup> With these guidelines in mind, we propose for Auction No. 39, to calculate upfront payments on a license-by-license basis using the following formulas:

- **VHF Public Coast**

Inland VPC Licenses:	$\$.075 * \text{MHz} * \text{Pops}$ (the result rounded to the nearest hundred for results less than \$10,000) with a minimum upfront payment of \$2,500 per license.
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- **LMS**

Block A:	$\$.0004 * \text{MHz} * \text{Pops}$ (the result rounded to the nearest hundred for results less than \$10,000) with a minimum upfront payment of \$1,000 per license.
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Block B:	$\$.0005 * \text{MHz} * \text{Pops}$ (the result rounded to the nearest hundred for results less than \$10,000) with a minimum upfront payment of \$1,000 per license.
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Block C:	$\$.0005 * \text{MHz} * \text{Pops}$ (the results rounded to the nearest hundred for results less than \$10,000 and to the nearest thousand for results greater than \$10,000) with a minimum upfront payment of \$1,000 per license.
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A complete list of all licenses, including the related license area population and upfront payment, are listed herein as Attachment A. We seek comment on this proposal.

We further propose that the amount of the upfront payment submitted by a bidder will determine the initial maximum eligibility (as measured in bidding units) for each bidder. Upfront payments will not be attributed to specific licenses, but instead will be translated into bidding units to define a bidder's initial maximum eligibility, which cannot be increased during the auction. The maximum eligibility will

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<sup>7</sup> See *Part 1 Order*, 12 FCC Rcd at 5697-98, ¶ 16 (1997); see also *Part 1 Third Report and Order*, 13 FCC Rcd at 425, ¶ 86.

<sup>8</sup> See Implementation of Section 309(j) of the Communications Act - Competitive Bidding, PP Docket No. 93-253, *Second Report and Order*, 9 FCC Rcd 2348, 2378-79, ¶¶ 171-176 (1994).

determine the licenses on which a bidder may bid in each round of the auction. Thus, in calculating its upfront payment amount, an applicant must determine the *maximum* number of bidding units it may wish to bid on (or hold high bids on) in any single round, and submit an upfront payment covering that number of bidding units. We seek comment on this proposal.

### **C. Activity Rules**

In order to ensure that the auction closes within a reasonable period of time, an activity rule requires bidders to either place a valid bid and/or be the standing high bidder during each round of the auction rather than waiting until the end to participate. A bidder that does not satisfy the activity rule will either use an activity rule waiver, if any remain, or lose bidding eligibility in the auction.

We propose to divide the auction into two stages: Stage One and Stage Two— each characterized by an increased activity requirement. The auction will start in Stage One. We propose that the auction will generally advance to the next stage when the auction activity level, as measured by the percentage of bidding units receiving new high bids, is approximately thirty percent or below for three consecutive rounds of bidding. However, we further propose that the Bureau retain the discretion to change stages unilaterally by announcement during the auction. In exercising this discretion, the Bureau will consider a variety of measures of bidder activity, including, but not limited to, the auction activity level, the percentage of licenses (as measured in bidding units) on which there are new bids, the number of new bids, and the percentage increase in revenue. We seek comment on these proposals.

For Auction No. 39, we propose the following activity requirements:

**Stage One:** In each round of Stage One, a bidder desiring to maintain its current eligibility is required to be active on licenses encompassing at least 80 percent of its current bidding eligibility. Failure to maintain the requisite activity level will result in a reduction in the bidder's bidding eligibility in the next round of bidding (unless an activity rule waiver is used). During Stage One, reduced eligibility for the next round will be calculated by multiplying the current round activity by five-fourths (5/4).

**Stage Two:** In each round of Stage Two, a bidder desiring to maintain its current eligibility is required to be active on 98 percent of its current bidding eligibility. In this final stage, reduced eligibility for the next round will be calculated by multiplying the current round activity by fifty-fortyninths (50/49).

We seek comment on these proposals. If commenters believe that these activity rules should be changed, they should explain their reasoning and comment on the desirability of an alternative approach. Commenters are advised to support their claims with analyses and suggested alternative activity rules.

### **D. Activity Rule Waivers and Reducing Eligibility**

Use of an activity rule waiver preserves the bidder's current bidding eligibility despite the bidder's activity in the current round being below the required minimum level. An activity rule waiver applies to an entire round of bidding and not to a particular license. Activity waivers are principally a mechanism for auction participants to avoid the loss of auction eligibility in the event that exigent circumstances prevent them from placing a bid in a particular round.

The FCC auction system assumes that bidders with insufficient activity would prefer to use an activity rule waiver (if available) rather than lose bidding eligibility. Therefore, the system will automatically apply a waiver (known as an "automatic waiver") at the end of any bidding period where a bidder's activity level is below the minimum required unless: (1) there are no activity rule waivers available; or (2) the bidder overrides the automatic application of a waiver by reducing eligibility, thereby meeting the minimum requirements.

A bidder with insufficient activity may wish to reduce its bidding eligibility rather than use an activity rule waiver. If so, the bidder must affirmatively override the automatic waiver mechanism during the bidding period by using the reduce eligibility function in the bidding software. In this case, the bidder's eligibility is permanently reduced to bring the bidder into compliance with the activity rules as described above. Once eligibility has been reduced, a bidder will not be permitted to regain its lost bidding eligibility.

A bidder may proactively use an activity rule waiver as a means to keep the auction open without placing a bid. If a bidder submits a proactive waiver (using the proactive waiver function in the bidding software) during a bidding period in which no bids are submitted, the auction will remain open and the bidder's eligibility will be preserved. An automatic waiver invoked in a round in which there are no new valid bids will not keep the auction open.

We propose that each bidder in Auction No. 39 be provided with five activity rule waivers that may be used at the bidder's discretion during the course of the auction as set forth above. We seek comment on this proposal.

## **E. Information Relating to Auction Delay, Suspension, or Cancellation**

For Auction No. 39, we propose that, by public notice or by announcement during the auction, the Bureau may delay, suspend, or cancel the auction in the event of natural disaster, technical obstacle, evidence of an auction security breach, unlawful bidding activity, administrative or weather necessity, or for any other reason that affects the fair and competitive conduct of competitive bidding.<sup>9</sup> In such cases, the Bureau, in its sole discretion, may elect to resume the auction starting from the beginning of the current round, resume the auction starting from some previous round, or cancel the auction in its entirety. Network interruption may cause the Bureau to delay or suspend the auction. We emphasize that exercise of this authority is solely within the discretion of the Bureau, and its use is not intended to be a substitute for situations in which bidders may wish to apply their activity rule waivers. We seek comment on this proposal.

## **II. Bidding Procedures**

### **A. Round Structure**

The Commission will use its Automated Auction System to conduct the electronic simultaneous multiple round auction format for Auction No. 39. The initial bidding schedule will be announced in a public notice to be released at least one week before the start of the auction, and will be included in the registration mailings. The auction format will consist of sequential bidding rounds, each followed by the release of round results. Details regarding the location and format of round results will be included in the same public notice.

The Bureau has discretion to change the bidding schedule in order to foster an auction pace that reasonably balances speed with the bidders' need to study round results and adjust their bidding strategies. The Bureau may increase or decrease the amount of time for the bidding rounds and review periods, or the number of rounds per day, depending upon the bidding activity level and other factors. We seek comment on this proposal.

### **B. Reserve Price or Minimum Opening Bid**

The Balanced Budget Act calls upon the Commission to prescribe methods by which a reasonable reserve price will be required or a minimum opening bid established when FCC licenses are subject to auction (*i.e.*,

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<sup>9</sup> See 47 C.F.R. § 1.2104(i).

because the Commission has accepted mutually exclusive applications for those licenses), unless the Commission determines that a reserve price or minimum bid is not in the public interest.<sup>10</sup> Consistent with this mandate, the Commission has directed the Bureau to seek comment on the use of a minimum opening bid and/or reserve price prior to the start of each auction.<sup>11</sup>

Normally, a reserve price is an absolute minimum price below which an item will not be sold in a given auction. Reserve prices can be either published or unpublished. A minimum opening bid, on the other hand, is the minimum bid price set at the beginning of the auction below which *no bids* are accepted. It is generally used to accelerate the competitive bidding process. Also, in a minimum opening bid scenario, the auctioneer generally has the discretion to lower the amount later in the auction. It is also possible for the minimum opening bid and the reserve price to be the same amount.

In light of the Balanced Budget Act, the Bureau proposes to establish minimum opening bids for Auction No. 39. The Bureau believes a minimum opening bid, which has been utilized in other auctions, is an effective bidding tool.<sup>12</sup> A minimum opening bid, rather than a reserve price, will help to regulate the pace of the auction and provides flexibility.

Specifically, for Auction No. 39, the Commission proposes the following formulae for calculating minimum opening bids on a license-by-license basis:

- **VHF Public Coast**

Inland VPC Licenses:	$\$.011 * \text{MHz} * \text{Pops}$ (the result rounded to the nearest hundred for results less than \$10,000) with a minimum of no less than \$2,500 per license.
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- **LMS**

Block A:	$\$.0004 * \text{MHz} * \text{Pops}$ (the result rounded to the nearest hundred for results less than \$10,000) with a minimum of no less than \$1,000 per license.
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Block B:	$\$.0005 * \text{MHz} * \text{Pops}$ (the result rounded to the nearest hundred for results less than \$10,000) with a minimum of no less than \$1,000 per license.
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Block C:	$\$.0005 * \text{MHz} * \text{Pops}$ (the result rounded to the nearest hundred for results less than \$10,000 and to the nearest thousand for results greater than \$10,000) with a minimum of no less than \$1,000 per license.
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<sup>10</sup> See Balanced Budget Act, Section 3002(a). The Commission's authority to establish a reserve price or minimum opening bid is set forth in 47 C.F.R. § 1.2104(c) and (d).

<sup>11</sup> See *Part 1 Third Report and Order*, 13 FCC Rcd at 454-455, ¶ 141 (1998).

<sup>12</sup> See, e.g., Auction of 800 MHz SMR Upper 10 MHz Band, Minimum Opening Bids or Reserve Prices, DA 97-2147, *Order*, 12 FCC Rcd 16354 (1997); Auction of the Phase II 220 MHz Service Licenses, Auction Notice and Filing Requirements for 908 Licenses Consisting of Economic Area (EA), Economic Area Grouping (EAG), and Nationwide Licenses, Scheduled for September 15, 1998, Minimum Opening Bids and Other Procedural Issues, *Public Notice*, 13 FCC Rcd 16445 (1998).

The specific minimum opening bid for each license available in Auction No. 39 is set forth in Attachment A herein. Comment is sought on this proposal. If commenters believe that these minimum opening bids will result in substantial numbers of unsold licenses, or are not reasonable amounts, or should instead operate as reserve prices, they should explain why this is so, and comment on the desirability of an alternative approach. Commenters are advised to support their claims with valuation analyses and suggested reserve prices or minimum opening bid levels or formulas. In establishing the minimum opening bids, we particularly seek comment on such factors as, among other things, the amount of spectrum being auctioned, levels of incumbency, the availability of technology to provide service, the size of the geographic service areas, issues of interference with other spectrum bands and any other relevant factors that could reasonably have an impact on valuation of the VHF public coast station and the LMS spectrum. Alternatively, comment is sought on whether, consistent with the Balanced Budget Act, the public interest would be served by having no minimum opening bid or reserve price.

### **C. Minimum Accepted Bids and Bid Increments**

Once there is a standing high bid on a license, a bid increment will be applied to that license to establish a minimum acceptable bid for the following round. For Auction No. 39, we propose to use a smoothing methodology to calculate bid increments, as we have done in several other auctions. The Bureau retains the discretion to change the minimum bid increment if it determines that circumstances so dictate. The Bureau will do so by announcement in the Automated Auction System. We seek comment on these proposals.

The exponential smoothing formula calculates the bid increment for each license based on a weighted average of the activity received on each license in all previous rounds. This methodology will tailor the bid increment for each license based on activity, rather than setting a global increment for all licenses. For every license that receives a bid, the bid increment for the next round for that license will be established using the exponential smoothing formula.

The calculation of the percentage bid increment for each license in a given round is made at the end of the previous round. The computation is based on an activity index, which is calculated as the weighted average of the activity in that round and the activity index from the prior round. The activity index at the start of the auction (round 0) will be set at 0. The current activity index is equal to a weighting factor times the number of new bids received on the license in the most recent bidding round plus one minus the weighting factor times the activity index from the prior round. The activity index is then used to calculate a percentage increment by multiplying a minimum percentage increment by one plus the activity index with that result being subject to a maximum percentage increment. The Commission will initially set the weighting factor at 0.5, the minimum percentage increment at 0.1 (10%), and the maximum percentage increment at 0.2 (20%).

### **Equations**

$$A_i = (C * B_i) + ((1-C) * A_{i-1})$$

$$I_{i+1} = \text{smaller of } ((1 + A_i) * N) \text{ and } M$$

where,

$A_i$  = activity index for the current round (round i)

C = activity weight factor

$B_i$  = number of bids in the current round (round i)

$A_{i-1}$  = activity index from previous round (round i-1),  $A_0$  is 0

$I_{i+1}$  = percentage bid increment for the next round (round i+1)

N = minimum percentage increment or bid increment floor

M = maximum percentage increment or bid increment ceiling

Under the exponential smoothing methodology, once a bid has been received on a license, the minimum acceptable bid for that license in the following round will be the new high bid plus the dollar amount associated with the percentage increment (variable  $I_{i+1}$  from above times the high bid). This result will be rounded to the nearest thousand if it is over ten thousand or to the nearest hundred if it is under ten thousand.<sup>13</sup>

## Examples

License 1

$C=0.5$ ,  $N = 0.1$ ,  $M = 0.2$

### Round 1 (2 new bids, high bid = \$1,000,000)

1. Calculation of percentage increment for round 2 using exponential smoothing:  
 $A_1 = (0.5 * 2) + (0.5 * 0) = 1$   
 $I_2 = \text{The smaller of } ((1 + 1) * 0.1) = 0.2 \text{ or } 0.2 \text{ (the maximum percentage increment)}$
2. Minimum bid increment for round 2 using the percentage increment ( $I_2$  from above)  
 $0.2 * \$1,000,000 = \$200,000$
3. Minimum acceptable bid for round 2 = \$1,200,000

### Round 2 (3 new bids, high bid = \$2,000,000)

1. Calculation of percentage increment for round 3 using exponential smoothing:  
 $A_2 = (0.5 * 3) + (0.5 * 1) = 2$   
 $I_3 = \text{The smaller of } ((1 + 2) * 0.1) = 0.3 \text{ or } 0.2 \text{ (the maximum percentage increment)}$
2. Minimum bid increment for round 3 using the percentage increment ( $I_3$  from above)  
 $0.2 * \$2,000,000 = \$400,000$
3. Minimum acceptable bid for round 3 = \$2,400,000

### Round 3 (1 new bid, high bid = \$2,400,000)

1. Calculation of percentage increment for round 4 using exponential smoothing:  
 $A_3 = (0.5 * 1) + (0.5 * 2) = 1.5$   
 $I_4 = \text{The smaller of } ((1 + 1.5) * 0.1) = 0.25 \text{ or } 0.2 \text{ (the maximum percentage increment)}$
2. Minimum bid increment for round 4 using the percentage increment ( $I_4$  from above)  
 $0.2 * \$2,400,000 = \$480,000$
3. Minimum acceptable bid for round 4 = \$2,880,000

## D. Information Regarding Bid Withdrawal and Bid Removal

For Auction No. 39, we propose the following bid removal and bid withdrawal procedures. Before the close of a bidding period, a bidder has the option of removing any bid placed in that round. By using the

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<sup>13</sup> Multiple increment bids are not rounded according to the previously stated rounding rule; they are received, displayed, and stored by the Automated Auction System as non-rounded dollar amounts resulting from the following formula: Amount Bid = High Bid + (Bid Multiplier \* Bid Increment).



remove bid function in the bidding software, a bidder may effectively “unsubmit” any bid placed within that round. A bidder removing a bid placed in the same round is not subject to a withdrawal payment. Once a round closes, a bidder may no longer remove a bid. We seek comment on this bid removal procedure.

Once a round closes, a bidder may no longer remove a bid. However, in the next round, a bidder may withdraw standing high bids from previous rounds using the withdraw bid function. A high bidder that withdraws its standing high bid from a previous round is subject to the bid withdrawal payment provisions.<sup>14</sup> We seek comment on these bid removal and bid withdrawal procedures.

In the *Part 1 Third Report and Order*, the Commission explained that allowing bid withdrawals facilitates efficient aggregation of licenses and the pursuit of efficient backup strategies as information becomes available during the course of an auction. The Commission noted, however, that, in some instances, bidders may seek to withdraw bids for improper reasons. The Bureau, therefore, has discretion, in managing the auction, to limit the number of withdrawals to prevent any bidding abuses. The Commission stated that the Bureau should assertively exercise its discretion, consider limiting the number of rounds in which bidders may withdraw bids, and prevent bidders from bidding on a particular market if the Bureau finds that a bidder is abusing the Commission’s bid withdrawal procedures.<sup>15</sup>

Applying this reasoning, we propose to limit each bidder in Auction No. 39 to withdraw standing high bids in no more than two rounds during the course of the auction. To permit a bidder to withdraw bids in more than two rounds would likely encourage insincere bidding or the use of withdrawals for anti-competitive strategic purposes. The two rounds in which withdrawals are utilized will be at the bidder’s discretion; withdrawals otherwise must be in accordance with the Commission’s rules. There is no limit on the number of standing high bids that may be withdrawn in either of the rounds in which withdrawals are utilized. Withdrawals will remain subject to the bid withdrawal payment provisions specified in the Commission’s rules. We seek comment on this proposal.

## **E. Stopping Rule**

For Auction No. 39, the Bureau proposes to employ a simultaneous stopping rule approach. The Bureau has discretion “to establish stopping rules before or during multiple round auctions in order to terminate the auction within a reasonable time.”<sup>16</sup> A simultaneous stopping rule means that all licenses remain open until the first round in which no new acceptable bids, proactive waivers, or withdrawals are received. After the first such round, bidding closes simultaneously on all licenses. Thus, unless circumstances dictate otherwise, bidding would remain open on all licenses until bidding stops on every license.

The Bureau seeks comment on a modified version of the simultaneous stopping rule. The modified stopping rule would close the auction for all licenses after the first round in which no bidder submits a proactive waiver, a withdrawal, or a new bid on any license on which it is not the standing high bidder. Thus, absent any other bidding activity, a bidder placing a new bid on a license for which it is the standing high bidder would not keep the auction open under this modified stopping rule. The Bureau further seeks comment on whether this modified stopping rule should be used unilaterally or only in stage two of the auction.

The Bureau proposes to retain the discretion to keep an auction open even if no new acceptable bids or proactive waivers are submitted and no previous high bids are withdrawn. In this event, the effect will be

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<sup>14</sup> See 47 C.F.R. §§ 1.2104(g); 1.2109.

<sup>15</sup> *Part 1 Third Report and Order*, 13 FCC Rcd at 460, ¶ 150.

<sup>16</sup> See 47 C.F.R. § 1.2104(e).

the same as if a bidder had submitted a proactive waiver. The activity rule, therefore, will apply as usual, and a bidder with insufficient activity will either lose bidding eligibility or use a remaining activity rule waiver.

Finally, we propose that the Bureau reserve the right to declare that the auction will end after a specified number of additional rounds ("special stopping rule"). If the Bureau invokes this special stopping rule, it will accept bids in the final round(s) only for licenses on which the high bid increased in at least one of the preceding specified number of rounds. The Bureau proposes to exercise this option only in certain circumstances, such as, for example, where the auction is proceeding very slowly, there is minimal overall bidding activity, or it appears likely that the auction will not close within a reasonable period of time. Before exercising this option, the Bureau is likely to attempt to increase the pace of the auction by, for example, moving the auction into the next stage (where bidders would be required to maintain a higher level of bidding activity), increasing the number of bidding rounds per day, and/or increasing the amount of the minimum bid increments for the limited number of licenses where there is still a high level of bidding activity. We seek comment on these proposals.

### **III. Conclusion**

Comments are due on or before March 9, 2001, and reply comments are due on or before March 16, 2001. An original and four copies of all pleadings must be filed with the Commission's Secretary, Magalie Roman Salas, Office of the Secretary, Federal Communications Commission, 445 Twelfth Street, SW, TW-A325, Washington, DC 20554, in accordance with Section 1.51(c) of the Commission's rules. See 47 C.F.R. § 1.51(c). In addition, one copy of each pleading must be delivered to each of the following locations: (1) the Commission's duplicating contractor, International Transcription Service, Inc. (ITS), 1231 20th Street, N.W., Washington, DC 20036; (2) Office of Media Relations, Public Reference Center, 445 Twelfth Street, SW, Suite CY-A257, Washington, DC 20554; (3) Rana Shuler, Auctions and Industry Analysis Division, Wireless Telecommunications Bureau, 445 Twelfth Street, SW, Suite 4-A628, Washington, DC 20554. Comments and reply comments will be available for public inspection during regular business hours in the FCC Public Reference Room, Room CY-A257, 445 12th Street, SW, Washington, DC 20554.

For further information concerning this proceeding, contact the Auctions and Industry Analysis Division, Wireless Telecommunications Bureau, Kenneth Burnley, Auctions Attorney, or Lyle Ishida, Auctions Analyst, at (202) 418-0660; or Linda Sanderson, Project Manager, at (717) 338-2888.

**- FCC -**

**AUCTION #39 - PUBLIC COAST AND LOCATION AND MONITORING SERVICE (LMS)  
ATTACHMENT A**

**Public Coast Licenses, Upfront Payments, and Minimum Opening Bids**

Market #	License Name	Description	Population	Bidding Units	Upfront Payment	Minimum Opening Bid
<b><u>350 kHz Inland Border VPCs</u></b>						
VPC010	PCVPC010	Grand Forks, ND-MN	240,827	2,500	\$2,500.00	\$2,500.00
VPC011	PCVPC011	Minot, ND	116,054	2,500	\$2,500.00	\$2,500.00
<b><u>350 kHz Inland Non-Border VPCs</u></b>						
VPC012	PCVPC012	Bismarck, ND-MT-SD	172,204	2,500	\$2,500.00	\$2,500.00
VPC013	PCVPC013	Aberdeen, SD	84,696	2,500	\$2,500.00	\$2,500.00
VPC014	PCVPC014	Rapid City, SD-MT-NE-ND	199,782	2,500	\$2,500.00	\$2,500.00
VPC015	PCVPC015	North Platte, NE-CO	60,432	2,500	\$2,500.00	\$2,500.00
VPC016	PCVPC016	Western Oklahoma, OK	144,847	2,500	\$2,500.00	\$2,500.00
VPC018	PCVPC018	San Angelo, TX	189,093	2,500	\$2,500.00	\$2,500.00
VPC019	PCVPC019	Odessa-Midland, TX	382,517	2,500	\$2,500.00	\$2,500.00
VPC020	PCVPC020	Hobbs, NM-TX	185,128	2,500	\$2,500.00	\$2,500.00
VPC021	PCVPC021	Lubbock, TX	357,092	2,500	\$2,500.00	\$2,500.00
VPC022	PCVPC022	Amarillo, TX-NM	448,258	2,500	\$2,500.00	\$2,500.00
VPC023	PCVPC023	Santa Fe, NM	208,689	2,500	\$2,500.00	\$2,500.00
VPC026	PCVPC026	Scottsbluff, NE-WY	91,975	2,500	\$2,500.00	\$2,500.00
VPC038	PCVPC038	Farmington, NM-CO	150,155	2,500	\$2,500.00	\$2,500.00
VPC040	PCVPC040	El Paso, TX-NM	807,501	3,200	\$3,200.00	\$3,200.00

**AUCTION #39 - PUBLIC COAST AND LOCATION AND MONITORING SERVICE (LMS)  
ATTACHMENT A**

**LMS Licenses, Upfront Payments, and Minimum Opening Bids**

<b>Economic Area</b>	<b>License Name</b>	<b>Freq Blk</b>	<b>Description</b>	<b>Population</b>	<b>Bidding Units</b>	<b>Upfront Payment</b>	<b>Minimum Opening Bid</b>
BEA001	LSBEA001A	A	Bangor, ME	533,135	1,300	\$1,300.00	\$1,300.00
BEA002	LSBEA002A	A	Portland, ME	694,793	1,700	\$1,700.00	\$1,700.00
BEA004	LSBEA004A	A	Burlington, VT-NY	568,377	1,400	\$1,400.00	\$1,400.00
BEA005	LSBEA005A	A	Albany - Schenectady-Troy, NY	1,147,154	2,800	\$2,800.00	\$2,800.00
BEA006	LSBEA006A	A	Syracuse, NY-PA	1,934,632	4,600	\$4,600.00	\$4,600.00
BEA007	LSBEA007A	A	Rochester, NY-PA	1,457,846	3,500	\$3,500.00	\$3,500.00
BEA009	LSBEA009A	A	State College, PA	798,826	1,900	\$1,900.00	\$1,900.00
BEA011	LSBEA011A	A	Harrisburg-Lebanon-Carlisle, PA	1,026,459	2,500	\$2,500.00	\$2,500.00
BEA014	LSBEA014A	A	Salisbury, MD-DE-VA	290,800	1,000	\$1,000.00	\$1,000.00
BEA014	LSBEA014B	B	Salisbury, MD-DE-VA	290,800	1,000	\$1,000.00	\$1,000.00
BEA014	LSBEA014C	C	Salisbury, MD-DE-VA	290,800	1,000	\$1,000.00	\$1,000.00
BEA016	LSBEA016A	A	Staunton, VA-WV	301,626	1,000	\$1,000.00	\$1,000.00
BEA016	LSBEA016B	B	Staunton, VA-WV	301,626	1,000	\$1,000.00	\$1,000.00
BEA016	LSBEA016C	C	Staunton, VA-WV	301,626	1,000	\$1,000.00	\$1,000.00
BEA017	LSBEA017A	A	Roanoke, VA-NC-WV	760,378	1,800	\$1,800.00	\$1,800.00
BEA020	LSBEA020A	A	Norfolk-VA Beach-Newport News, VA-NC	1,588,174	3,800	\$3,800.00	\$3,800.00
BEA021	LSBEA021A	A	Greenville, NC	743,407	1,800	\$1,800.00	\$1,800.00
BEA022	LSBEA022A	A	Fayetteville, NC	465,018	1,100	\$1,100.00	\$1,100.00
BEA022	LSBEA022B	B	Fayetteville, NC	465,018	1,000	\$1,000.00	\$1,000.00
BEA022	LSBEA022C	C	Fayetteville, NC	465,018	1,300	\$1,300.00	\$1,300.00
BEA025	LSBEA025A	A	Wilmington, NC-SC	716,089	1,700	\$1,700.00	\$1,700.00
BEA026	LSBEA026A	A	Charleston - North Charleston, SC	541,252	1,300	\$1,300.00	\$1,300.00
BEA027	LSBEA027A	A	Augusta-Aiken, GA-SC	536,809	1,300	\$1,300.00	\$1,300.00
BEA036	LSBEA036A	A	Dothan, AL-FL-GA	307,026	1,000	\$1,000.00	\$1,000.00
BEA036	LSBEA036B	B	Dothan, AL-FL-GA	307,026	1,000	\$1,000.00	\$1,000.00
BEA036	LSBEA036C	C	Dothan, AL-FL-GA	307,026	1,000	\$1,000.00	\$1,000.00
BEA037	LSBEA037A	A	Albany, GA	415,342	1,000	\$1,000.00	\$1,000.00
BEA037	LSBEA037B	B	Albany, GA	415,342	1,000	\$1,000.00	\$1,000.00
BEA037	LSBEA037C	C	Albany, GA	415,342	1,200	\$1,200.00	\$1,200.00
BEA038	LSBEA038A	A	Macon, GA	626,336	1,500	\$1,500.00	\$1,500.00
BEA039	LSBEA039A	A	Columbus, GA-AL	449,582	1,100	\$1,100.00	\$1,100.00
BEA039	LSBEA039B	B	Columbus, GA-AL	449,582	1,000	\$1,000.00	\$1,000.00
BEA039	LSBEA039C	C	Columbus, GA-AL	449,582	1,300	\$1,300.00	\$1,300.00
BEA042	LSBEA042A	A	Asheville, NC	371,635	1,000	\$1,000.00	\$1,000.00
BEA042	LSBEA042B	B	Asheville, NC	371,635	1,000	\$1,000.00	\$1,000.00
BEA042	LSBEA042C	C	Asheville, NC	371,635	1,100	\$1,100.00	\$1,100.00
BEA043	LSBEA043A	A	Chattanooga, TN-GA	635,535	1,500	\$1,500.00	\$1,500.00
BEA044	LSBEA044A	A	Knoxville, TN	840,395	2,000	\$2,000.00	\$2,000.00
BEA045	LSBEA045A	A	Johnson City-Kingsport-Bristol, TN-VA	524,270	1,300	\$1,300.00	\$1,300.00
BEA046	LSBEA046A	A	Hickory-Morganton, NC-TN	445,736	1,100	\$1,100.00	\$1,100.00
BEA046	LSBEA046B	B	Hickory-Morganton, NC-TN	445,736	1,000	\$1,000.00	\$1,000.00
BEA046	LSBEA046C	C	Hickory-Morganton, NC-TN	445,736	1,300	\$1,300.00	\$1,300.00
BEA048	LSBEA048A	A	Charleston, WV-KY-OH	1,196,043	2,900	\$2,900.00	\$2,900.00
BEA049	LSBEA049A	A	Cincinnati-Hamilton, OH-KY-IN	2,003,480	4,800	\$4,800.00	\$4,800.00
BEA050	LSBEA050A	A	Dayton-Springfield, OH	1,125,936	2,700	\$2,700.00	\$2,700.00
BEA051	LSBEA051A	A	Columbus, OH	2,100,613	5,000	\$5,000.00	\$5,000.00
BEA052	LSBEA052A	A	Wheeling, WV-OH	346,375	1,000	\$1,000.00	\$1,000.00
BEA052	LSBEA052B	B	Wheeling, WV-OH	346,375	1,000	\$1,000.00	\$1,000.00
BEA052	LSBEA052C	C	Wheeling, WV-OH	346,375	1,000	\$1,000.00	\$1,000.00
BEA053	LSBEA053A	A	Pittsburgh, PA-WV	3,003,172	7,200	\$7,200.00	\$7,200.00
BEA054	LSBEA054A	A	Erie, PA	512,673	1,200	\$1,200.00	\$1,200.00
BEA056	LSBEA056A	A	Toledo, OH	1,278,722	3,100	\$3,100.00	\$3,100.00
BEA058	LSBEA058A	A	Northern Michigan, MI	230,066	1,000	\$1,000.00	\$1,000.00
BEA058	LSBEA058B	B	Northern Michigan, MI	230,066	1,000	\$1,000.00	\$1,000.00
BEA058	LSBEA058C	C	Northern Michigan, MI	230,066	1,000	\$1,000.00	\$1,000.00
BEA059	LSBEA059A	A	Green Bay, WI-MI	624,600	1,500	\$1,500.00	\$1,500.00

Economic Area	License Name	Freq Blk	Description	Population	Bidding Units	Upfront Payment	Minimum Opening Bid
BEA060	LSBEA060A	A	Appleton-Oshkosh-Neenah, WI	380,610	1,000	\$1,000.00	\$1,000.00
BEA060	LSBEA060B	B	Appleton-Oshkosh-Neenah, WI	380,610	1,000	\$1,000.00	\$1,000.00
BEA060	LSBEA060C	C	Appleton-Oshkosh-Neenah, WI	380,610	1,100	\$1,100.00	\$1,100.00
BEA061	LSBEA061A	A	Traverse City, MI	238,720	1,000	\$1,000.00	\$1,000.00
BEA061	LSBEA061B	B	Traverse City, MI	238,720	1,000	\$1,000.00	\$1,000.00
BEA061	LSBEA061C	C	Traverse City, MI	238,720	1,000	\$1,000.00	\$1,000.00
BEA062	LSBEA062A	A	Grand Rapids-Muskegon-Holland, MI	1,666,950	4,000	\$4,000.00	\$4,000.00
BEA065	LSBEA065A	A	Elkhart-Goshen, IN-MI	864,201	2,100	\$2,100.00	\$2,100.00
BEA066	LSBEA066A	A	Fort Wayne, IN	666,421	1,600	\$1,600.00	\$1,600.00
BEA067	LSBEA067A	A	Indianapolis, IN-IL	2,753,182	6,600	\$6,600.00	\$6,600.00
BEA068	LSBEA068A	A	Champaign-Urbana, IL	623,541	1,500	\$1,500.00	\$1,500.00
BEA069	LSBEA069A	A	Evansville-Henderson, IN-KY-IL	825,644	2,000	\$2,000.00	\$2,000.00
BEA070	LSBEA070A	A	Louisville, KY-IN	1,291,188	3,100	\$3,100.00	\$3,100.00
BEA072	LSBEA072A	A	Paducah, KY-IL	211,179	1,000	\$1,000.00	\$1,000.00
BEA072	LSBEA072B	B	Paducah, KY-IL	211,179	1,000	\$1,000.00	\$1,000.00
BEA072	LSBEA072C	C	Paducah, KY-IL	211,179	1,000	\$1,000.00	\$1,000.00
BEA074	LSBEA074A	A	Huntsville, AL-TN	885,020	2,100	\$2,100.00	\$2,100.00
BEA075	LSBEA075A	A	Tupelo, MS-AL-TN	577,246	1,400	\$1,400.00	\$1,400.00
BEA076	LSBEA076A	A	Greenville, MS	257,239	1,000	\$1,000.00	\$1,000.00
BEA076	LSBEA076B	B	Greenville, MS	257,239	1,000	\$1,000.00	\$1,000.00
BEA076	LSBEA076C	C	Greenville, MS	257,239	1,000	\$1,000.00	\$1,000.00
BEA078	LSBEA078A	A	Birmingham, AL	1,450,463	3,500	\$3,500.00	\$3,500.00
BEA079	LSBEA079B	B	Montgomery, AL	440,228	1,000	\$1,000.00	\$1,000.00
BEA079	LSBEA079C	C	Montgomery, AL	440,228	1,300	\$1,300.00	\$1,300.00
BEA081	LSBEA081A	A	Pensacola, FL	515,942	1,200	\$1,200.00	\$1,200.00
BEA082	LSBEA082A	A	Biloxi-Gulfport-Pascagoula, MS	339,791	1,000	\$1,000.00	\$1,000.00
BEA082	LSBEA082B	B	Biloxi-Gulfport-Pascagoula, MS	339,791	1,000	\$1,000.00	\$1,000.00
BEA082	LSBEA082C	C	Biloxi-Gulfport-Pascagoula, MS	339,791	1,000	\$1,000.00	\$1,000.00
BEA085	LSBEA085A	A	Lafayette, LA	554,665	1,300	\$1,300.00	\$1,300.00
BEA086	LSBEA086A	A	Lake Charles, LA	523,289	1,300	\$1,300.00	\$1,300.00
BEA087	LSBEA087A	A	Beaumont-Port Arthur, TX	422,543	1,000	\$1,000.00	\$1,000.00
BEA087	LSBEA087B	B	Beaumont-Port Arthur, TX	422,543	1,000	\$1,000.00	\$1,000.00
BEA087	LSBEA087C	C	Beaumont-Port Arthur, TX	422,543	1,200	\$1,200.00	\$1,200.00
BEA088	LSBEA088A	A	Shreveport-Bossier City, LA-AR	555,385	1,300	\$1,300.00	\$1,300.00
BEA089	LSBEA089A	A	Monroe, LA	326,897	1,000	\$1,000.00	\$1,000.00
BEA089	LSBEA089B	B	Monroe, LA	326,897	1,000	\$1,000.00	\$1,000.00
BEA089	LSBEA089C	C	Monroe, LA	326,897	1,000	\$1,000.00	\$1,000.00
BEA091	LSBEA091A	A	Fort Smith, AR-OK	286,113	1,000	\$1,000.00	\$1,000.00
BEA091	LSBEA091B	B	Fort Smith, AR-OK	286,113	1,000	\$1,000.00	\$1,000.00
BEA091	LSBEA091C	C	Fort Smith, AR-OK	286,113	1,000	\$1,000.00	\$1,000.00
BEA092	LSBEA092A	A	Fayetteville-Springdale-Rogers, AR-MO-OK	285,955	1,000	\$1,000.00	\$1,000.00
BEA092	LSBEA092B	B	Fayetteville-Springdale-Rogers, AR-MO-OK	285,955	1,000	\$1,000.00	\$1,000.00
BEA092	LSBEA092C	C	Fayetteville-Springdale-Rogers, AR-MO-OK	285,955	1,000	\$1,000.00	\$1,000.00
BEA093	LSBEA093A	A	Joplin, MO-KS-OK	233,725	1,000	\$1,000.00	\$1,000.00
BEA093	LSBEA093B	B	Joplin, MO-KS-OK	233,725	1,000	\$1,000.00	\$1,000.00
BEA093	LSBEA093C	C	Joplin, MO-KS-OK	233,725	1,000	\$1,000.00	\$1,000.00
BEA094	LSBEA094A	A	Springfield, MO	499,681	1,200	\$1,200.00	\$1,200.00
BEA095	LSBEA095A	A	Jonesboro, AR-MO	290,104	1,000	\$1,000.00	\$1,000.00
BEA095	LSBEA095B	B	Jonesboro, AR-MO	290,104	1,000	\$1,000.00	\$1,000.00
BEA095	LSBEA095C	C	Jonesboro, AR-MO	290,104	1,000	\$1,000.00	\$1,000.00
BEA096	LSBEA096A	A	St. Louis, MO-IL	3,402,818	8,200	\$8,200.00	\$8,200.00
BEA097	LSBEA097A	A	Springfield, IL-MO	499,681	1,200	\$1,200.00	\$1,200.00
BEA097	LSBEA097B	B	Springfield, IL-MO	499,681	1,000	\$1,000.00	\$1,000.00
BEA097	LSBEA097C	C	Springfield, IL-MO	499,681	1,400	\$1,400.00	\$1,400.00
BEA098	LSBEA098A	A	Columbia, MO	321,564	1,000	\$1,000.00	\$1,000.00
BEA098	LSBEA098B	B	Columbia, MO	321,564	1,000	\$1,000.00	\$1,000.00
BEA098	LSBEA098C	C	Columbia, MO	321,564	1,000	\$1,000.00	\$1,000.00
BEA099	LSBEA099A	A	Kansas City, MN-KS	2,224,907	5,300	\$5,300.00	\$5,300.00
BEA100	LSBEA100A	A	Des Moines, IA-IL-MO	1,604,609	3,900	\$3,900.00	\$3,900.00
BEA101	LSBEA101A	A	Peoria-Pekin, IL	523,719	1,300	\$1,300.00	\$1,300.00
BEA102	LSBEA102A	A	Davenport-Moline-Rock Island, IA-IL	548,257	1,300	\$1,300.00	\$1,300.00
BEA103	LSBEA103A	A	Cedar Rapids, IA	341,001	1,000	\$1,000.00	\$1,000.00
BEA103	LSBEA103B	B	Cedar Rapids, IA	341,001	1,000	\$1,000.00	\$1,000.00
BEA103	LSBEA103C	C	Cedar Rapids, IA	341,001	1,000	\$1,000.00	\$1,000.00

Economic Area	License Name	Freq Blk	Description	Population	Bidding Units	Upfront Payment	Minimum Opening Bid
BEA104	LSBEA104A	A	Madison, WI-IA-IL	837,209	2,000	\$2,000.00	\$2,000.00
BEA105	LSBEA105A	A	La Crosse, WI-MN	220,502	1,000	\$1,000.00	\$1,000.00
BEA105	LSBEA105B	B	La Crosse, WI-MN	220,502	1,000	\$1,000.00	\$1,000.00
BEA105	LSBEA105C	C	La Crosse, WI-MN	220,502	1,000	\$1,000.00	\$1,000.00
BEA106	LSBEA106A	A	Rochester, MN-IA-WI	292,175	1,000	\$1,000.00	\$1,000.00
BEA106	LSBEA106B	B	Rochester, MN-IA-WI	292,175	1,000	\$1,000.00	\$1,000.00
BEA106	LSBEA106C	C	Rochester, MN-IA-WI	292,175	1,000	\$1,000.00	\$1,000.00
BEA107	LSBEA107C	C	Minneapolis-St. Paul, MN-WI-IA	3,945,443	11,000	\$11,000.00	\$11,000.00
BEA108	LSBEA108A	A	Wausau, WI	451,533	1,100	\$1,100.00	\$1,100.00
BEA108	LSBEA108B	B	Wausau, WI	451,533	1,000	\$1,000.00	\$1,000.00
BEA108	LSBEA108C	C	Wausau, WI	451,533	1,300	\$1,300.00	\$1,300.00
BEA109	LSBEA109A	A	Duluth-Superior, MN-WI	340,675	1,000	\$1,000.00	\$1,000.00
BEA109	LSBEA109B	B	Duluth-Superior, MN-WI	340,675	1,000	\$1,000.00	\$1,000.00
BEA109	LSBEA109C	C	Duluth-Superior, MN-WI	340,675	1,000	\$1,000.00	\$1,000.00
BEA110	LSBEA110A	A	Grand Forks, ND-MN	240,827	1,000	\$1,000.00	\$1,000.00
BEA110	LSBEA110B	B	Grand Forks, ND-MN	240,827	1,000	\$1,000.00	\$1,000.00
BEA110	LSBEA110C	C	Grand Forks, ND-MN	240,827	1,000	\$1,000.00	\$1,000.00
BEA111	LSBEA111A	A	Minot, ND	116,054	1,000	\$1,000.00	\$1,000.00
BEA111	LSBEA111B	B	Minot, ND	116,054	1,000	\$1,000.00	\$1,000.00
BEA111	LSBEA111C	C	Minot, ND	116,054	1,000	\$1,000.00	\$1,000.00
BEA112	LSBEA112A	A	Bismarck, ND-MT-SD	172,204	1,000	\$1,000.00	\$1,000.00
BEA112	LSBEA112B	B	Bismarck, ND-MT-SD	172,204	1,000	\$1,000.00	\$1,000.00
BEA112	LSBEA112C	C	Bismarck, ND-MT-SD	172,204	1,000	\$1,000.00	\$1,000.00
BEA113	LSBEA113A	A	Fargo-Moorhead, ND-MN	347,670	1,000	\$1,000.00	\$1,000.00
BEA113	LSBEA113B	B	Fargo-Moorhead, ND-MN	347,670	1,000	\$1,000.00	\$1,000.00
BEA113	LSBEA113C	C	Fargo-Moorhead, ND-MN	347,670	1,000	\$1,000.00	\$1,000.00
BEA114	LSBEA114A	A	Aberdeen, SD	84,696	1,000	\$1,000.00	\$1,000.00
BEA114	LSBEA114B	B	Aberdeen, SD	84,696	1,000	\$1,000.00	\$1,000.00
BEA114	LSBEA114C	C	Aberdeen, SD	84,696	1,000	\$1,000.00	\$1,000.00
BEA115	LSBEA115A	A	Rapid City, SD-MT-ND-NE	199,782	1,000	\$1,000.00	\$1,000.00
BEA115	LSBEA115B	B	Rapid City, SD-MT-ND-NE	199,782	1,000	\$1,000.00	\$1,000.00
BEA115	LSBEA115C	C	Rapid City, SD-MT-ND-NE	199,782	1,000	\$1,000.00	\$1,000.00
BEA116	LSBEA116A	A	Sioux Falls, SD-IA-MN-NE	478,307	1,100	\$1,100.00	\$1,100.00
BEA117	LSBEA117A	A	Sioux City, IA-NE-SD	239,518	1,000	\$1,000.00	\$1,000.00
BEA117	LSBEA117B	B	Sioux City, IA-NE-SD	239,518	1,000	\$1,000.00	\$1,000.00
BEA117	LSBEA117C	C	Sioux City, IA-NE-SD	239,518	1,000	\$1,000.00	\$1,000.00
BEA118	LSBEA118A	A	Omaha, NE-IA-MO	958,815	2,300	\$2,300.00	\$2,300.00
BEA119	LSBEA119A	A	Lincoln, NE	341,684	1,000	\$1,000.00	\$1,000.00
BEA119	LSBEA119B	B	Lincoln, NE	341,684	1,000	\$1,000.00	\$1,000.00
BEA119	LSBEA119C	C	Lincoln, NE	341,684	1,000	\$1,000.00	\$1,000.00
BEA120	LSBEA120A	A	Grand Island, NE	277,509	1,000	\$1,000.00	\$1,000.00
BEA120	LSBEA120B	B	Grand Island, NE	277,509	1,000	\$1,000.00	\$1,000.00
BEA120	LSBEA120C	C	Grand Island, NE	277,509	1,000	\$1,000.00	\$1,000.00
BEA121	LSBEA121A	A	North Platte, NE-CO	60,432	1,000	\$1,000.00	\$1,000.00
BEA121	LSBEA121B	B	North Platte, NE-CO	60,432	1,000	\$1,000.00	\$1,000.00
BEA121	LSBEA121C	C	North Platte, NE-CO	60,432	1,000	\$1,000.00	\$1,000.00
BEA122	LSBEA122A	A	Wichita, KS-OK	1,094,213	2,600	\$2,600.00	\$2,600.00
BEA123	LSBEA123A	A	Topeka, KS	444,800	1,100	\$1,100.00	\$1,100.00
BEA123	LSBEA123B	B	Topeka, KS	444,800	1,000	\$1,000.00	\$1,000.00
BEA123	LSBEA123C	C	Topeka, KS	444,800	1,300	\$1,300.00	\$1,300.00
BEA124	LSBEA124A	A	Tulsa, OK-KS	1,259,636	3,000	\$3,000.00	\$3,000.00
BEA125	LSBEA125A	A	Oklahoma City, OK	1,550,725	3,700	\$3,700.00	\$3,700.00
BEA126	LSBEA1216A	A	Western Oklahoma, OK	144,847	1,000	\$1,000.00	\$1,000.00
BEA126	LSBEA126B	B	Western Oklahoma, OK	144,847	1,000	\$1,000.00	\$1,000.00
BEA126	LSBEA126C	C	Western Oklahoma, OK	144,847	1,000	\$1,000.00	\$1,000.00
BEA128	LSBEA128A	A	Abilene, TX	213,430	1,000	\$1,000.00	\$1,000.00
BEA128	LSBEA128B	B	Abilene, TX	213,430	1,000	\$1,000.00	\$1,000.00
BEA128	LSBEA128C	C	Abilene, TX	213,430	1,000	\$1,000.00	\$1,000.00
BEA129	LSBEA129A	A	San Angelo, TX	189,093	1,000	\$1,000.00	\$1,000.00
BEA129	LSBEA129B	B	San Angelo, TX	189,093	1,000	\$1,000.00	\$1,000.00
BEA129	LSBEA129C	C	San Angelo, TX	189,093	1,000	\$1,000.00	\$1,000.00
BEA132	LSBEA132A	A	Corpus Christi, TX	500,805	1,200	\$1,200.00	\$1,200.00
BEA133	LSBEA133A	A	McAllen-Edinburg-Mission, TX	701,888	1,700	\$1,700.00	\$1,700.00
BEA135	LSBEA135A	A	Odessa-Midland, TX	382,517	1,000	\$1,000.00	\$1,000.00

Economic Area	License Name	Freq Blk	Description	Population	Bidding Units	Upfront Payment	Minimum Opening Bid
BEA135	LSBEA135B	B	Odessa-Midland, TX	382,517	1,000	\$1,000.00	\$1,000.00
BEA135	LSBEA135C	C	Odessa-Midland, TX	382,517	1,100	\$1,100.00	\$1,100.00
BEA136	LSBEA136A	A	Hobbs, NM-TX	185,128	1,000	\$1,000.00	\$1,000.00
BEA136	LSBEA136B	B	Hobbs, NM-TX	185,128	1,000	\$1,000.00	\$1,000.00
BEA136	LSBEA136C	C	Hobbs, NM-TX	185,128	1,000	\$1,000.00	\$1,000.00
BEA137	LSBEA137A	A	Lubbock, TX	357,092	1,000	\$1,000.00	\$1,000.00
BEA137	LSBEA137B	B	Lubbock, TX	357,092	1,000	\$1,000.00	\$1,000.00
BEA137	LSBEA137C	C	Lubbock, TX	357,092	1,000	\$1,000.00	\$1,000.00
BEA138	LSBEA138A	A	Amarillo, TX-NM	448,258	1,100	\$1,100.00	\$1,100.00
BEA138	LSBEA138B	B	Amarillo, TX-NM	448,258	1,000	\$1,000.00	\$1,000.00
BEA138	LSBEA138C	C	Amarillo, TX-NM	448,258	1,300	\$1,300.00	\$1,300.00
BEA139	LSBEA139A	A	Santa Fe, NM	208,689	1,000	\$1,000.00	\$1,000.00
BEA139	LSBEA139B	B	Santa Fe, NM	208,689	1,000	\$1,000.00	\$1,000.00
BEA139	LSBEA139C	C	Santa Fe, NM	208,389	1,000	\$1,000.00	\$1,000.00
BEA140	LSBEA140A	A	Pueblo, CO-NM	247,124	1,000	\$1,000.00	\$1,000.00
BEA140	LSBEA140B	B	Pueblo, CO-NM	247,124	1,000	\$1,000.00	\$1,000.00
BEA140	LSBEA140C	C	Pueblo, CO-NM	247,124	1,000	\$1,000.00	\$1,000.00
BEA142	LSBEA142A	A	Scottsbluff, NE-WY	91,975	1,000	\$1,000.00	\$1,000.00
BEA142	LSBEA142B	B	Scottsbluff, NE-WY	91,975	1,000	\$1,000.00	\$1,000.00
BEA142	LSBEA142C	C	Scottsbluff, NE-WY	91,975	1,000	\$1,000.00	\$1,000.00
BEA143	LSBEA143B	B	Casper, WY-ID-UT	382,095	1,000	\$1,000.00	\$1,000.00
BEA143	LSBEA143C	C	Casper, WY-ID-UT	382,095	1,100	\$1,100.00	\$1,100.00
BEA144	LSBEA144A	A	Billings, MT-WY	362,513	1,000	\$1,000.00	\$1,000.00
BEA144	LSBEA144B	B	Billings, MT-WY	362,513	1,000	\$1,000.00	\$1,000.00
BEA144	LSBEA144C	C	Billings, MT-WY	362,513	1,000	\$1,000.00	\$1,000.00
BEA145	LSBEA145A	A	Great Falls, MT	163,284	1,000	\$1,000.00	\$1,000.00
BEA145	LSBEA145B	B	Great Falls, MT	163,284	1,000	\$1,000.00	\$1,000.00
BEA145	LSBEA145C	C	Great Falls, MT	163,284	1,000	\$1,000.00	\$1,000.00
BEA146	LSBEA146A	A	Missoula, MT	333,984	1,000	\$1,000.00	\$1,000.00
BEA146	LSBEA146B	B	Missoula, MT	333,984	1,000	\$1,000.00	\$1,000.00
BEA146	LSBEA146C	C	Missoula, MT	333,984	1,000	\$1,000.00	\$1,000.00
BEA148	LSBEA148B	B	Idaho Falls, ID-WY	263,379	1,000	\$1,000.00	\$1,000.00
BEA148	LSBEA148C	C	Idaho Falls, ID-WY	263,379	1,000	\$1,000.00	\$1,000.00
BEA149	LSBEA149B	B	Twin Falls, ID	136,831	1,000	\$1,000.00	\$1,000.00
BEA149	LSBEA149C	C	Twin Falls, ID	136,831	1,000	\$1,000.00	\$1,000.00
BEA154	LSBEA154B	B	Flagstaff, AZ-UT	299,753	1,000	\$1,000.00	\$1,000.00
BEA154	LSBEA154C	C	Flagstaff, AZ-UT	299,753	1,000	\$1,000.00	\$1,000.00
BEA155	LSBEA155A	A	Farmington, NM-CO	150,155	1,000	\$1,000.00	\$1,000.00
BEA155	LSBEA155B	B	Farmington, NM-CO	150,155	1,000	\$1,000.00	\$1,000.00
BEA155	LSBEA155C	C	Farmington, NM-CO	150,155	1,000	\$1,000.00	\$1,000.00
BEA157	LSBEA157A	A	El Paso, TX-NM	807,501	1,900	\$1,900.00	\$1,900.00
BEA164	LSBEA164C	C	Sacramento-Yolo, CA	1,935,487	5,600	\$5,600.00	\$5,600.00
BEA165	LSBEA165A	A	Redding, CA-OR	307,572	1,000	\$1,000.00	\$1,000.00
BEA165	LSBEA165B	B	Redding, CA-OR	307,572	1,000	\$1,000.00	\$1,000.00
BEA165	LSBEA165C	C	Redding, CA-OR	307,572	1,000	\$1,000.00	\$1,000.00
BEA168	LSBEA168A	A	Pendleton, OR-WA	176,129	1,000	\$1,000.00	\$1,000.00
BEA168	LSBEA168B	B	Pendleton, OR-WA	176,129	1,000	\$1,000.00	\$1,000.00
BEA168	LSBEA168C	C	Pendleton, OR-WA	176,129	1,000	\$1,000.00	\$1,000.00
BEA169	LSBEA169A	A	Richland-Kennewick-Pasco, WA	545,747	1,300	\$1,300.00	\$1,300.00
BEA171	LSBEA171A	A	Anchorage, AK	550,043	1,300	\$1,300.00	\$1,300.00
BEA172	LSBEA172A	A	Honolulu, HI	1,108,229	2,700	\$2,700.00	\$2,700.00
BEA173	LSBEA173A	A	Guam and Northern Mariana Islands	176,497	1,000	\$1,000.00	\$1,000.00
BEA174	LSBEA174A	A	Puerto Rico and U.S. Virgin Islands	3,623,846	8,700	\$8,700.00	\$8,700.00
BEA175	LSBEA175A	A	American Samoa	46,773	1,000	\$1,000.00	\$1,000.00
BEA175	LSBEA175B	B	American Samoa	46,773	1,000	\$1,000.00	\$1,000.00
BEA175	LSBEA175C	C	American Samoa	46,773	1,000	\$1,000.00	\$1,000.00
BEA176	LSBEA176A	A	Gulf of Mexico	0	1,000	\$1,000.00	\$1,000.00